

**PHOTOSENSITIVE COLORING COMPOSITION FOR COLOR FILTER, AND
COLOR FILTER****Publication number:** JP10152536 (A)**Publication date:** 1998-06-09**Inventor(s):** HIGUCHI YOICHI; YAMAGAKE HIDEAKI; ITO KYOKO; MORI HIROYUKI;
KAGEYAMA TATSUYA**Applicant(s):** DAINIPPON PRINTING CO LTD; INCTEC INC**Classification:****- international:** *G02F1/1335; C08F290/04; G02F1/13; C08F290/00; (IPC1-7): G02F1/1335;
C08F290/04***- European:****Application number:** JP19960325905 19961122**Priority number(s):** JP19960325905 19961122**Abstract of JP 10152536 (A)**

PROBLEM TO BE SOLVED: To obtain a photosensitive coloring composition for a color filter having high reliability and high sensitivity and further providing a coated layer capable of being uniformly dissolved and developed by an aqueous alkali-based developing solution. **SOLUTION:** This composition comprises (1) a photopolymerizable polymer, (2) a photopolymerizable monomer, (3) a photopolymerization initiator, (4) a coloring agent and (5) a solvent, and the photopolymerizable polymer is the one obtained by performing an addition polymerization of 1-12 pts.wt. glycidyl(meth)acrylate based on 100 pts.wt. copolymer to a copolymer comprising 1-50 pts.wt. benzyl (meth)acrylate, 15-55 pts.wt. styrene and 5-40 pts.wt. methacrylic acid.

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